

FIG. 1

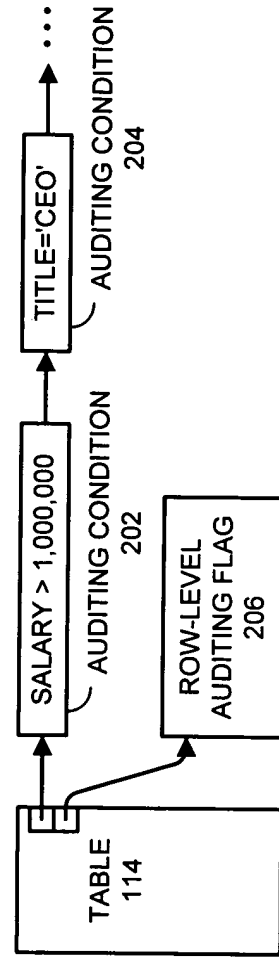


FIG. 2

```

graph TD
    300([START  
300]) --> 302[RECEIVE QUERY AT A  
DATABASE SERVER FROM  
CLIENT  
302]
    302 --> 303{IS AUDITING  
ENABLED ON THE  
TABLE/VIEW?  
303}
    303 -- NO --> 305[PROCESS QUERY TO  
PRODUCE QUERY  
RESULT  
305]
    303 -- YES --> 304[MODIFY QUERY TO INSERT  
MONITORING LOGIC  
304]
    304 --> 305a[VIEW MERGING THROUGH  
OPTIMIZATION LAYER  
305]
    305a --> 306[PROCESS QUERY TO PRODUCE  
QUERY RESULT  
306]
    306 --> 310[CREATE AUDIT RECORD FOR  
ROWS THAT ARE ACCESSED BY  
THE QUERY AND THAT SATISFY  
THE AUDITING CONDITION  
310]
    310 --> 312[RECORD THE AUDIT RECORD  
TO AN AUDIT RECORD STORE  
312]
    312 --> 314[RETURN QUERY RESULT TO  
CLIENT  
314]
    305 --> 314
    314 --> 316([END  
316])
  
```

FIG. 3

FIG. 3

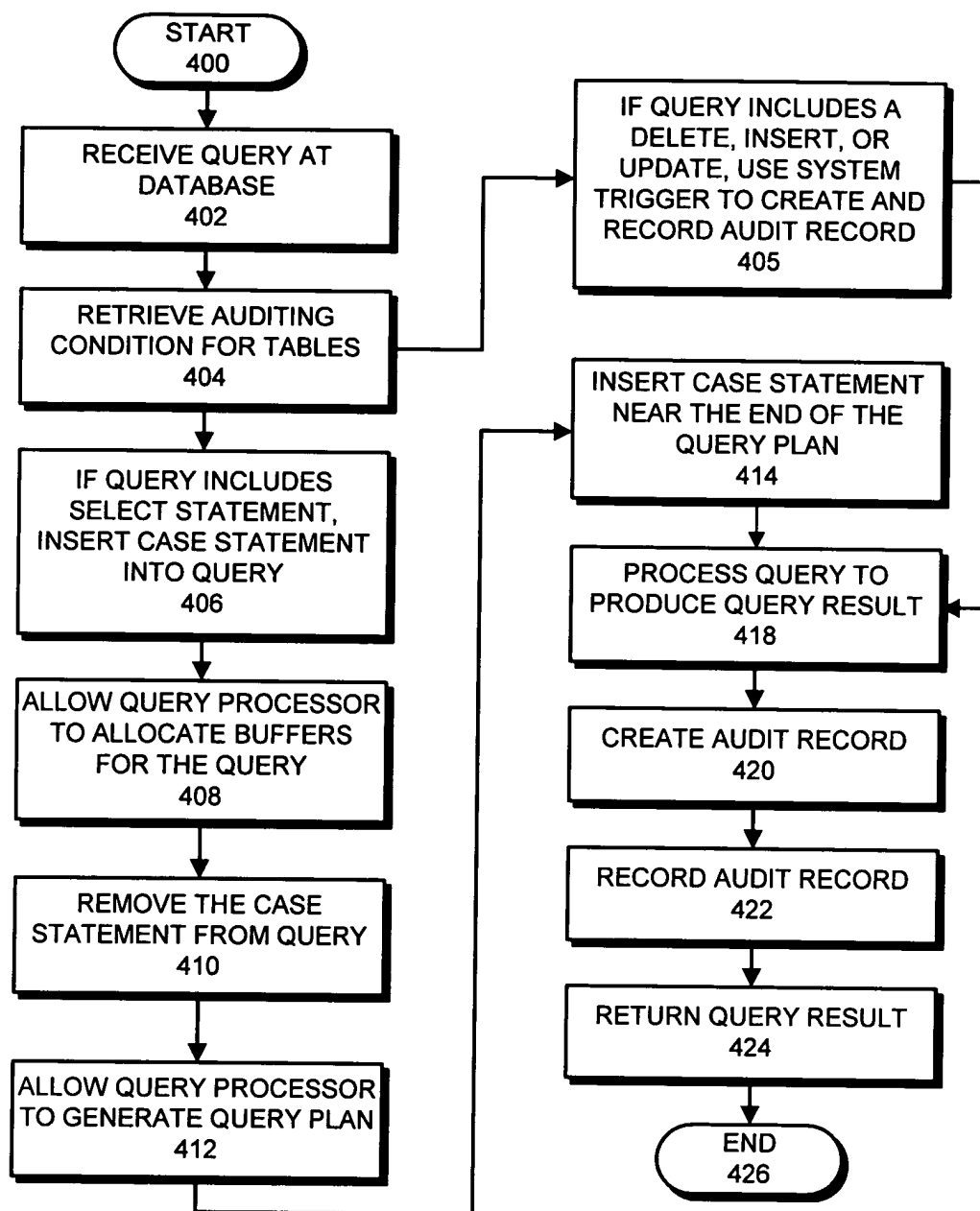


FIG. 4